

Little Kaukauna Lock and Dam, Lock Shelter
On the northern embankment, near the upper gate
Rockland
Brown County
Wisconsin

HAER No. WI-89-B

HAER
WIS
5-ROCK,
1B-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD
Rocky Mountain System Support Office
National Park Service
P.O. Box 25287
Denver, Colorado 80225-0287

HISTORIC AMERICAN ENGINEERING RECORD

LITTLE KAUKAUNA LOCK AND DAM, LOCK SHELTER

HAER NO. WI-89-B

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Location: The lock shelter at Little Kaukauna is located directly north of the lower gate of the lock in the SW1/4, Section 18, T22N, R20E, Civil Town of Rockland, Brown County, Wisconsin.

UTM: 16/410460/4914240; USGS Quadrangle: De Pere, Wisconsin 7.5' series

Date of Construction: 1983

Engineer: United States Army Corps of Engineers with Contractors

Architect: United States Army Corps of Engineers with Contractors

Present Owner: United States Army Corps of Engineers

Present Use: Office for lock personnel.

Significance: The lock shelter provides shelter for the lockkeeper while on active duty. Further, the lock shelter provides office space and first aid facilities for office personnel. As such the lock shelter functions as part of the daily operation of the Little Kaukauna Lock and Dam Complex.

Project Information: This documentation was undertaken in 1995 in accordance with requirements detailed in a June 19, 1994 letter from Gregory D. Kendrick, Chief, History Branch, NPS to Dale Monteith, Acting Chief, Planning Division, USACOE, Detroit District. The Lower Fox system remains basically operational but was placed in caretaker status by the USACOE in 1982. The USACOE plans to divest itself of the Lower Fox system as soon as is feasible; therefore, NPS requested this documentation. All documentation conforms to HAER standards.

Dr. John D. Richards, Principal Investigator; Georgia A. Lusk, Patricia B. Richards, and Robert J. Watson, Project Archivists with Great Lakes Archaeological Research Center, Inc.; Joseph Paskus, Project Photographer.

LOCK SHELTER

The lock shelter at Little Kaukauna is a single story Armco Building Systems TL-1 type prefabricated metal building. The structure is located on the embankment near the upper gate, and was installed in the early 1980s. The lock shelter is 12 feet square and was assembled using 8 foot high sections of stellox panels set on a poured concrete slab. The front and sides of the lock shelter contain simple, double hung windows with plain trim.¹ Entrance to the lock shelter is through a plain door in the front of the structure.

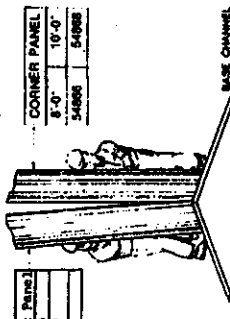
ENDNOTES

- ¹ Armco Steel Buildings, Erection Instructions TL-1 Building, sheets ET-115, ET-116, ET-118, ET-119.

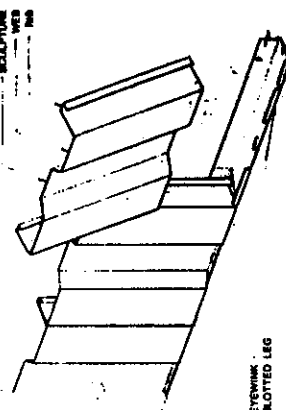
CORNER ERECTION

Starting at a corner, assemble a corner panel and typical panel by bolting the panels together to the base channel with both plate and nut. Tighten the corner and wrench tighten nut and bolt. Mark door and window locations so that short panels can be installed.

Typical Steel Panel	Corner Panel
8'-0"	8'-0"
10'-0"	10'-0"
12'-0"	12'-0"
14'-0"	14'-0"
16'-0"	16'-0"
18'-0"	18'-0"
20'-0"	20'-0"
22'-0"	22'-0"
24'-0"	24'-0"
26'-0"	26'-0"
28'-0"	28'-0"
30'-0"	30'-0"
32'-0"	32'-0"
34'-0"	34'-0"
36'-0"	36'-0"
38'-0"	38'-0"
40'-0"	40'-0"
42'-0"	42'-0"
44'-0"	44'-0"
46'-0"	46'-0"
48'-0"	48'-0"
50'-0"	50'-0"
52'-0"	52'-0"
54'-0"	54'-0"
56'-0"	56'-0"
58'-0"	58'-0"
60'-0"	60'-0"
62'-0"	62'-0"
64'-0"	64'-0"
66'-0"	66'-0"
68'-0"	68'-0"
70'-0"	70'-0"
72'-0"	72'-0"
74'-0"	74'-0"
76'-0"	76'-0"
78'-0"	78'-0"
80'-0"	80'-0"
82'-0"	82'-0"
84'-0"	84'-0"
86'-0"	86'-0"
88'-0"	88'-0"
90'-0"	90'-0"
92'-0"	92'-0"
94'-0"	94'-0"
96'-0"	96'-0"
98'-0"	98'-0"
100'-0"	100'-0"



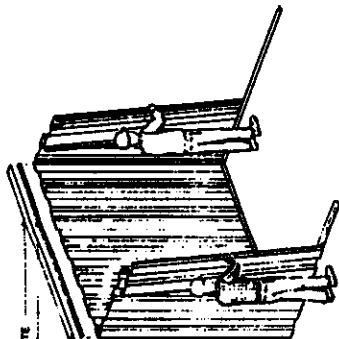
PANELS OVER SHINGLED ROOFS	BASE CHANNEL
ALL	8"
SIZES	10"
	12"
	14"
	16"
	18"
	20"
	22"
	24"
	26"
	28"
	30"
	32"
	34"
	36"
	38"
	40"
	42"
	44"
	46"
	48"
	50"
	52"
	54"
	56"
	58"
	60"
	62"
	64"
	66"
	68"
	70"
	72"
	74"
	76"
	78"
	80"
	82"
	84"
	86"
	88"
	90"
	92"
	94"
	96"
	98"
	100"



WALL ERECTION

Erect and wall panels by placing the bottoms of panel on base channel with panel rib in base channel slots and panel with outside of slotted legs. Panel endplates must be inside of base channel eye-wink. Interlock male rib with the female rib of the preceding panel and bolt interlocked ribs to the base channel.

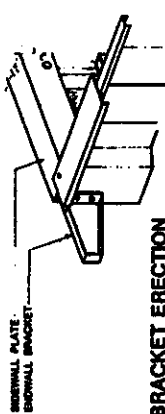
ENDWALL PLATE



WALL CAP AND PLATE SCHEDULE	BLDG. WIDTH	5'-0"	6'-0"	8'-0"	12'-0"
ENDWALL CAP	5004	5006	5008	5010	5012
REAR OR ENDWALL PLATE	6004	6006	6008	6010	6012
FRONT PLATE	6004	6006	6008	6010	6012

WALL CAP & PLATE ERECTION

Place wall cap and plate on endwall panels. Plumb and square panels, but do not wrench tighten plate bolts. Erect the side walls, one wall from outside the building and the other wall from inside the building. Install endwall wall caps and plates against corner panels. Top of front plate should be 1/2" above wall panels and rear plate should rest on wall panels. Erect second and wall and wall cap. Position and wall plates flush with front and rear plates, then wrench tighten all plate bolts. Use door and window locations for installation. For 8'-0" long building field cut slotted plate and wall cap.



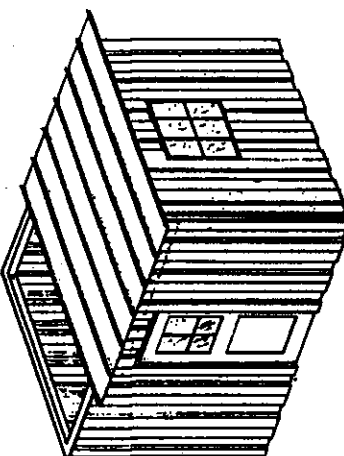
BRACKET ERECTION

Attach and wall brackets (6004 or 6006) flush with top of slotted plates using two 1/2" x 1/2" THSB at each corner. Field drill using 1/4" drill.

ROOF ERECTION

* If ontiling is to be installed, it must be erected at the same time as is the roof...see std. ontiling detail.

Check building walls for plumb and square. Apply a continuous strip of tape sealant on top of plates. Set the first roof panel with the female rib 8" outside of endwall and with 8" of overhang on each side. Field drill roof panel to match holes in plate and bolt with 1/4" x 3/4" bolts with weather seal washer. Continue setting roof panels bolting only to the rear plate and keeping ends of panels even. Move rear wall and not the roof panels to maintain the 8" overhang. Again check the walls for plumb and square. Field drill and bolt the roof panels to the front plate and endwall plates. Plumb Fascia over the rib of the last roof panel. (Note: If ontiling is to be installed, set the last roof panel at this time. See std. ontiling detail.) If aluminum gutter-fascia is used, see ET-121. Attach and Flashing 6055 around building with 1/10" x 7/8" SPS 16" O.C. Field cut ends at corners for closing tab.



BLDG. WIDTH	5'-0"	6'-0"	8'-0"	12'-0"
A 1000	5004	5006	5008	5010
B 1000	5004	5006	5008	5010
C 1000	5004	5006	5008	5010
D 1000	5004	5006	5008	5010
E 1000	5004	5006	5008	5010
F 1000	5004	5006	5008	5010
G 1000	5004	5006	5008	5010
H 1000	5004	5006	5008	5010

ROOF AND WALL ERECTION TL-1 BUILDING

ET-119
